Facility Name:	MEK SPILL		<u> </u>
Location:	HICKSVILLE, NO	EW YORK	
EPA Region:	I		
Person(s) in Char	rge of the Facility:		
Name of Reviewer:	•	Date:	
General Descripti	on of the Facility:		
contamination ro	ous substances; location oute of major concern:	types of information	*
contamination ro	us substances; location	types of information	*
contamination ro	ous substances; location oute of major concern:	types of information	*
contamination ro	ous substances; location oute of major concern:	types of information	
contamination ro	ous substances; location oute of major concern:	types of information	
contamination ro	ous substances; location oute of major concern:	types of information	*
contamination ro	ous substances; location oute of major concern:	types of information	
contamination ro	ous substances; location oute of major concern; is; agency action, etc.	types of information	*
contamination ro needed for ratin	ous substances; location oute of major concern; is; agency action, etc.	types of information	*

	GRO	OUND WATER ROUTE WORK S	SHEET	P.		
	Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
	Observed Release	0 (5)	1	45	45	3.1
		given a score of 45, proceed to line 4. given a score of 0, proceed to line 2.				
2	Depth to Aquifer of Concern	0 1 2 3	2		6	3.2
	Net Precipitation Permeability of the Unsaturated Zone Physical State	0 1 2 3 0 1 2 3 0 1 2 3	1		3	
		Total Route Characteristics Score	1		15	
3	Containment	0 1 2 3	1		3	3.3
4	Waste Characteristics Toxicity/Persistence Hazardous Waste Quantity	0 3 6 9 12 15 18 0 1 ② 3 4 5 6 7 8	1	62	18 8	3.4
•						
		Total Waste Characteristics Score		8	26	
5	Targets Ground Water Use Distance to Nearest Well/Population Served	0 1 2 3 . 0 4 6 8 10 12 16 18 20 24 30 32 35 60	3 1	40	9 40	3.5
		Total Targets Score		49	49	
<u>6</u>	If line 1 is 45, multip			7640	57,330	
7	Divide line 6 by 57,	330 and multiply by 100 $s_{gw} = 30$	5.77	, <u>.</u>		

	Rating Factor		Assigned (Circle		Multi- plier	Score	Max. Score	Re (Sec
1	Observed Releas	•	0	45	1	÷	45	4.
	if observed relea	se is given a v se is given a v	alue of 45, pro-	sceed to line 2	4]. -			
2	Route Characteris Facility Slope and Terrain	•	0 1 2 ;		1		3	4.
	1-yr. 24-hr. Rainfa Distance to Neare Water	ill est Surface	0 1 2 3 0 1 2 3		1 2		3. 6	
	Physical State		0 1 2 3		1		3	pper c
		Tota	Route Chara	cteristics Score			15	
3	Containment		0 1 2 3		1		3	4 3
•	Waste Characteris Toxicity/Persisten Hazardous Waste Quantity	ice	0 3 6 9	12 15 18 4 5 6 7	1 8 1		18 8	4,5
		Total	Waste Charac	teristics Score			26	
7	largets Surface Water Use		0 1 2 3		3 .		9 .	Ġ.
5	Distance to a Sens Environment		• • • •	•				
S C	Distance to a Sens		0 4 6 8 12 16 18 20 24 30 32 35	10	1		40	
S C	Distance to a Sens Environment Population Served/ to Water Intake		0 4 6 8	40	1		40 55	

			E WORK S	·			
	Rating Factor		ed Value e One)	Multi- plier	Score	Max. Score	
1	Observed Release	0	45	1	0	45	
	Date and Location:	Nothing d	etected at.	breathing z	one		
	Sampling Protocol:	DID V	•	V			
		0. Enter on line roceed to line 2	. —				
2	Waste Characteristics						
	Reactivity and Incompatibility	0 1	2 3	1		3	
	Toxicity Hazardous Waste	•	2 3 4 5 6	3 7 8 1		9: . 8	
	Quantity					•	
		Total Waste C	naracteristics S	core		20	
3	Targets		r ,			*	
	Population Within 4-Mile Radius	0 9 1 21 24 2	2 15 18 7 30	1		30	
	Distance to Sensitive Environment	0 1	2 3	2		6	
	Land Use	0 1	2 3	1		3	
		78	<u>.</u> .		•		
		<i>*</i> :					
		Total T	argets Score	<u></u>		39	1
4		3		· <u>·</u>			Ť

	•			
	s	s²		
Groundwater Route Score (Sgw)	230.77	946.79		
Surface Water Route Score (S _{SW})	0.00	0		
Air Route Score (Sa)	0.00	0		
$s_{gw}^2 + s_{sw}^2 + s_a^2$				
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		·		
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73$		s _M - 17.78		

WORKSHEET FOR COMPUTING SM

	Rating Factor	•			Ass (C	sign Cire	ed le C	Vai One	ue)			Mul		Score	Max. Score	Rei. (Section
1	Containment				1				3			1		,	3	7.1
2	Waste Characteris	itics								-						
	Direct Evidence	•			3		3	:		•		_				7.2
	Ignitability			Č	-	2						1			3	
	Reactivity			Ċ		2						1		· ·	3	
	Incompatibility	•		Ġ			-					1			3	
	Hazardous Waste Quantity			d				4	5	6	7 8	1	•		3 8	
٠.			;													
	1		·				·				÷					
			Tota	l Wa	ste	Chi	irac	ter	istic	3 Sc	core				20	
	Targets			·					, ,,						يلبيد دد	
	Distance to Neares Population	•		0	1	2	3	4	-5		•	, 1			, 5	7.3
	Distance to Neares Building			0	1	2	3			•		-1	٠		3	
	Distance to Sensitive Environment	ve		Ģ	1	2	3					Ì			3	
	and Use			Ó	1	2	3					1				
	Population Within 2-Mile Radius			0	1	2	3	4	5		-	1			3 5	
	Buildings Within 2-Mile Radius			0	1	2	3	4	5			1			5	
															•	
		}												•	*.	
	•															
	•	i														
	£,											<u>:</u>				
		-	 			-					<u> </u>					_
		·		Tot	al T	arg	eta	Sc	ore						24	
M	ultiply 1 x 2	x 3												Τ.	,440	

j.

DIRECT CONTACT WORK SHEET									
Rating Factor	_	led Value le One)	Multi- plier Sc	ore Max. Score	Ref. (Section)				
Observed Incident	0	45	1	45	8.1				
If line 1 is 45, proceed to 1 is 0, proceed to 1			•						
2 Accessibility	0 1	2 3	.1	3	8.2				
3 Containment	0 1	5	i	15	8.3				
Waste Characteristics Toxicity	0 1	2 3	5	15	8.4				
Targets Population Within a 1-Mile Radius	0 1 2	2 3 4 5	4	20	8.5				
Distance to a Critical Habitat	0 1 2	2 3	4	12					

	·	Total Targets Score	32	f
6	If line 1 is 45, If line 1 is 0, r	multiply 1 x 4 x 5 multiply 2 x 3 x 4 x 5	21,600	*
7	Divide line 6	by 21,600 and multiply by 100 SDC =		